

IN THE SPECIFICATION

Please amend the paragraphs of the specification as follows:

Please replace Paragraph [00019] with the following amended paragraph:

[00019] FIG. 4 illustrates a block diagram of a receiver 400 used for processing CDMA signals. Receiver 400 demodulates the received signal to extract the information carried by the received signal. Receiver 400 includes a processing block 499 that includes various operating blocks as shown to produce a signal 498 for a decoding operation. Receive (Rx) samples may be stored in RAM 404. Receive samples are generated by a radio frequency/intermediate frequency (RF/IF) system 490 and an antenna system 492. Antenna system 492 receives an RF signal, and passes the RF signal to RF/IF system 490. RF/IF system 490 may be any conventional RF/IF receiver. The received RF signals are filtered, down-converted and digitized to form RX samples at baseband frequencies. The samples are supplied to a demultiplexer (demux) 402. The output of demux 402 is supplied to a searcher unit 406 and finger elements 408. A control unit 410 is coupled thereto. A combiner 412 couples a decoder 414 to finger elements 408. Control unit 410 may be a microprocessor controlled by software, and may be located on the same integrated circuit or on a separate integrated circuit. The decoding function in decoder 414 may be in accordance with soft-output Viterbi algorithm concatenated, with or without feedback.

Please replace Paragraph [00013] with the following amended paragraph:

[00013] Various embodiments of the invention may be incorporated in a system for wireless communications in accordance with the code division multiple access (CDMA) technique which has been disclosed and described in various standards published by the Telecommunication Industry Association (TIA). Such standards include the TIA/EIA-95 standard, TIA/EIA-IS-2000 standard, IMT-2000 standard and WCDMA standard, all incorporated by reference herein. A system for communication of data described in a document titled: "TIA/EIA/IS-856 cdma2000 High Rate Packet Data Air Interface Specification,"

incorporated by reference herein, is more particularly capable of incorporating various embodiments of the invention. A copy of the standards may be obtained by accessing the world wide web at the address: ~~http://www.3gpp2.org~~, or by writing to TTA, Standards and Technology Department, 2500 Wilson Boulevard, Arlington, VA 22201, United States of America. The standard generally identified as WCDMA standard, incorporated by reference herein, may be obtained by contacting 3GPP Support Office, 650 Route des Lucioles-Sophia Antipolis, Valbonne-France.

Please replace Paragraph [00020] with the following amended paragraph:

[00020] During operation, receive samples are supplied to demux 402. Demux 402 supplies the samples to searcher unit ~~[[206]]~~ 406 and finger elements 408. Control unit 410 configures finger elements 408 to perform demodulation of the received signal at different time offsets based on search results from searcher unit 406. The results of the demodulation are combined and passed to decoder 414. Decoder 414 decodes the data and outputs the decoded data. Despreading of the channels is performed by multiplying the received samples with the complex conjugate of the PN sequence and assigned Walsh function at a single timing hypothesis and digitally filtering the resulting samples, often with an integrate and dump accumulator circuit (not shown). Such a technique is commonly known in the art. Receiver 400 may be used for decoding the information on reverse and forward links signals.